



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200  
Fax 613 632-5246

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To	
PO040984	MES002-VC	11	1	Net 30	MT-O1-B-0.125X4.000	AISI O1 Tool Steel Bar 0.125 X 4.000				9	9/28/2018	9		S116905	Stock	10/9/2018	\$ 25.19 / ft	1		\$2:	
		14			MT-A513-T-0.500W0.065	A513 Seamless Alloy Steel Round Tubing 0.500"dia. x 0.065" Wall MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM) ASTM A513 TYPE 5			24		19		S116906	Stock	10/9/2018	\$ 3.50 / ft	1		\$:		
Total:										33		28									\$22:

Plex 10/10/2018 10:17 AM Dart.Duval.Patrick

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 **Tel.:** 450 641-3330

Shipping Order 25/09/2018

**Order** : 138058  
**Reference** : 40984  
**Bid** : 29016  
**Ship** : PICK UP / PICK UP

**Customer:** 6323336

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

**Ship To**

Same

**Tel.:** 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
AS04024	ALU SHE .040 2024-T3 ALCLAD 2 pces 4" X 12' ***** ✓ ht:275893b6 AT	2	2	Ø
SR584	304 ROU .625 DIA ✓ 2 x 12' r/l HT:801C AT	24	24	Ø
SS112B4	304 SHEET .120 (11G) ✓ 2 x 4' x 8' HT:854e AT	64	64	Ø
SR384	304 ROU .375 DIA ✓ 2 X 12' R/L HT:1711164 AT	24	24	Ø
SR7164	304 ROU .437 DIA (7/16) ✓ 1 X 12, R/L HT:594F AT	12	12	Ø
SR13	303 ROU 1.000 DIA ✓ 1 X 14' HT:428631 AT	14	14	Ø
DT21818	MS TUB 2.125" X .125" WALL DOM ✓	12	12	Ø

\*\*\* Continued on Next Page \*\*\*

## Shipping Order

25/09/2018

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 Tel.: 450 641-3330

Order : 138058  
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Customer: 6323336

## Ship To

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SSQT34340494	1 X 12' ***** HT: 14300498 AT 304 SQ TUBE .750 X .049 WALL ✓ 30 X 20' *****	600	600	Ø
ADS12058	HT: TBK060596 AT ALU TUB .500" X .058" DRANW ✓ 14 X 12' *****	168	168	Ø
MP341H	HT: 171229a6 AT 4140 HTSR PLATE 3.00 THICK ✓ 1 X 3.5" X 96"	314	314	Ø
F18401	HT: 94802 AT KETOS GFS .125 X 4 FL 36 CAN ✓ 3 PCES ✓	3	3	Ø
MP1241H	4140 HTSR PLATE TFHT .500" 1 X .500" X 144" R/L ✓	16	16	Ø
MR341H	HT: 96017 AT 4140 HTSR ROU 3.000 DIA ✓ 1 X 72"	6	6	Ø
DT12065	H: 52041117 AT MS TUB .500 X .065 WALL DOM ✓ 1 X 18.58' HT: F686891 AT	18.58	18.58	Ø

~~Signature~~

Enrè par notre Commission

\*\*\* Continued on Next Page \*\*\*



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO040984**

**Supplier:** MES002-VC  
Metaux Solutions  
2625 boul Jacques-Cartier Est  
Longueuil  
QC  
J4N 1L7 Canada  
Phone: 800 558 8858  
Fax: 514 633 8044

**PO No:** PO040984

**PO Date:** 9/11/18

**Due Date:** 9/20/18

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

*REVISED*

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:** quote no. 28900,28948,29016,28925

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2		M304R0.625	SR584	304 SS Round bar 0.625 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	24 ft	0 ft	24 ft	\$4.40/ft	\$105.60
								✓ 24ft		At 18/10/03		
4		M304R0.375	SR384	304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	24 ft	0 ft	24 ft	\$2.75/ft	\$66.00
								✓ 24ft		At 18/10/03		
5		M304R0.4375	SR7164	304 Round Bar 0.4375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$3.95/ft	\$47.40
								✓ 12ft		At 18/10/03		
6		M303R1.000	SR13	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$16.00/ft	\$192.00
								✓ 12ft		At 18/10/03		
7		M1020TR2.125W.120	DT21818	M1020TR2.125W.120 (.125) receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$13.70/ft	\$164.40
								✓ 12ft		At 18/10/03		



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## **Items**

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8		M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	-	9/28/18	600 ft ✓ 600ft	0 ft	600 ft	\$3.80/ft	\$2,280.00
9		M6061T6T0.500W.058	ADS12058	6061-T6 Round Tube .500 X.058W : MATERIAL: 6061- T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft	Firmed	-	9/28/18	168 ft ✓ 168ft	0 ft	168 ft	\$6.75/ft	\$1,134.00
10		MT-4140-S- 3.000X3.500	MP341H	AISI 4140 / 4142 Steel Bar 3.000 x3.500 MATERIAL: AISI 4140 / 4142 STEEL BAR MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S- 5626, MIL-S-24093 MT-4140-	Firmed	-	9/28/18	8 ft ✓ 8ft	0 ft	8 ft	\$113.825/ft	\$910.60
11		MT-O1-B-0.125X4.000	F184O1	AISI O1 Tool Steel Bar 0.125 X 4.000	Firmed	-	9/28/18	9 ft ✓ 9ft	0 ft	9 ft	\$25.19/ft	\$226.71



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## **Items**

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12		MT-4140-S-0.500x0.500	MP1241H	4140 Steel Sheet 0.500 X 0.500 : MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$7.295833/ft	\$87.55
								✓ 12 ft			At 18/10/03	
13		M4140H-R3.000	MR341H	4140 Round Bar 3.000 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02/-A-434-BC/- A193-03-GRADE B7/-A29-03/-A322-91 OR UNS#-G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI receive ft	Firmed	-	9/28/18	6 ft	0 ft	6 ft	\$45.95/ft	\$275.70
								/ 6 ft			At 18/10/03	
14		MT-A513-T-0.500W0.065	DT12065	A513 Seamless Alloy Steel Round Tubing 0.500"dia. x 0.065" Wall  MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM) ASTM A513 TYPE 5	Firmed	-	9/28/18	24 ft	0 ft	24 ft	\$3.50/ft	\$84.00
								18.5 ft			At 18/10/04	

**Grand Total: \$5,573.96**



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## PURCHASE ORDER PO040984

### Order Notes

#### Procurement Quality Clauses

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents  
  
A048 counterfeit parts avoidance, detection, mitigation and disposition program  
  
A049 supplier awareness

CL

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 10/3/18 7:23 AM dart.lavoie.chantal

THE TYPICAL ANALYSIS FOR 0-1 PRECISION GROUND MATERIAL IS AS FOLLOWS:

CARBON (C) 0.85-1.00

MANGANESE (MN) 1.00-1.40

PHOSPHORUS (P) 0.030

SULFUR (S) 0.030

SILICON (SI) 0.10-0.50

CHROMIUM (CR) 0.40-0.70

VANADIUM (V) 0.30

TUNGSTEN (W) 0.40-0.60

MATERIAL HARDNESS IS AS FOLLOWS:

BRINELL 177-212

ROCKWELL B88-95



## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI O1 TOOL STEEL BAR  
SPECIFICATION: DIN 1.2510 or B.S. BO 1 or  
SAE J437 or SAE J438  
or UNS T31501 or ASTM A681  
PART NUMBER: MT-O1-B-[H.HHH]x[W.WWW]  
WHERE "H.HHH" = HEIGHT IN INCHES  
WHERE "W.WWW" = WIDTH IN INCHES  
EG. 4"x6" BAR = MT-O1-B-4.000x6.000

TOLERANCES PER MANUFACTURER SPECIFICATIONS

DART AEROSPACE (headquarters) Ontario, Canada	
TITLE AISI O1 TOOL STEEL BAR	
DWG NO.	REV.
MT-O1-B	A
DESIGN BY: VM 09/07/2017	XXX 1 255 FRACTIONS 1/16
DRAWN BY: SAC 09/07/2017	XX 1 21 ANGLES 2.5°
CHECKED: VM 09/07/2017	1 SURFACES ±.14
QA APPR.: JDC 09/07/2017	2 UNLESS OTHERWISE SPECIFIED
APPROVED: VM 09/08/2017	3 DIMENSIONAL LIMITS APPLY
DATE: 9/7/2017	SCALE: NTS WEIGHT: N/A LBS
SHEET 1 OF 1	
COPYRIGHT © 2017 BY DART AEROSPACE LTD	
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EW 17-149

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-01-B-D.25X4.000  
 DATE: 18/10/10

PO / BATCH NO.: P0040984 / S116905

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 9ft  
 QUANTITY INSPECTED: 9ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.125"  
 THICKNESS RECEIVED: 0.125"  
 SHEET SIZE ORDERED: -  
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	0-1
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	P0040984
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> DATE: <u>18/10/10</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM)

SPECIFICATION:

ASTM A513 TYPE 5

PART NUMBER:

MT-A513-T-ID.DDDJ[WT.TTT]

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES

WHERE T.TTT IS WALL THICKNESS IN INCHES

EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW RELEASE	17-655	17.09.06	VM	WM
B	TYPE 5 ADDED. TEMPLATE UPDATED	17-790	17.12.13	VM	ML

<b>DART</b> AEROSPACE Hawthorn, Ontario, Canada	
TITLE ASTM A513 TYPE 5 (1020/1026) ALLOY STEEL ROUND TUBING (DOM)	
PART NO. MT-A513-T	REV B
TOOL NO. -	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS ARE IN 16THS DECIMALS ARE IN 10THS DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 17/12/13	INITIALS AND DATE
DRAWN BY: VM 17/12/13	VM 17/12/13
CHECKED BY: ML 17/12/13	ML 17/12/13
APPROVED BY: ML 17/12/13	ML 17/12/13
TOLERANCES: FRACTIONS ± 1/16 DECIMALS ± .01 ANGLES ± .5° X ± .1 ROUGHNESS	
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THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE CONDITION THAT IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

📧 Reply all | ▾ Delete Junk | ▾ ...

## FW: Message from DartAerospace QualityAssurance C224e

CL Chantal Lavoie

Today, 7:21 AM

Andrew Tollis ▾

📧 Reply all | ▾

Inbox

Numerisé depuis MFP-0...

41 KB

👁 Show all 1 attachments (41 KB) Download Save to OneDrive - Eagle Copters Ltd

Hi Andrew,

Here the info missing for po040984, please see below.

Thanks

Chantal

**From:** Martin Bibeau <m.bibeau@metauxolutions.com>

**Sent:** Tuesday, October 09, 2018 1:06 PM

**To:** Chantal Lavoie <clavoie@dartaero.com>

**Subject:** RE: Message from DartAerospace QualityAssurance C224e

Hi, here's the chemical composition for O-1 flat ground, there is no heat # for that material,

And the heat # for tube ½" diameter is: F 686891,

Sorry for the quality of mill test,

Thanks, Martin

**De :** Chantal Lavoie [<mailto:clavoie@dartaero.com>]

**Envoyé :** Tuesday, October 9, 2018 11:39 AM

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-A513-T-0.500W0.065

PO / BATCH NO.: P0040984/5116906

DATE: 8/10/10

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 0.500"

QUANTITY RECEIVED: 18.58 ft

THICKNESS RECEIVED: 0.500"

QUANTITY INSPECTED: 18.58 ft

SHEET SIZE ORDERED: -

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	ASTM A513 TS
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	MT: F686891
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: MT

SIGNED OFF BY: \_\_\_\_\_

DATE: 8/10/10

DATE: \_\_\_\_\_

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in